

* * * * * Welcome to STN International * * * * *

<u>NEWS 1</u>		Web Page URLs for STN Seminar Schedule - N. America
<u>NEWS 2</u>	Apr 08	"Ask CAS" for self-help around the clock
<u>NEWS 3</u>	Apr 09	BEILSTEIN: Reload and Implementation of a New Subject Area
<u>NEWS 4</u>	Apr 09	ZDB will be removed from STN
<u>NEWS 5</u>	Apr 19	US Patent Applications available in IFICDB, IFIPAT, and IFIUIDB
<u>NEWS 6</u>	Apr 22	Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS
<u>NEWS 7</u>	Apr 22	BIOSIS Gene Names now available in TOXCENTER
<u>NEWS 8</u>	Apr 22	Federal Research in Progress (FEDRIP) now available
<u>NEWS 9</u>	Jun 03	New e-mail delivery for search results now available
<u>NEWS 10</u>	Jun 10	MEDLINE Reload
<u>NEWS 11</u>	Jun 10	PCTFULL has been reloaded
<u>NEWS 12</u>	Jul 02	FOREGE no longer contains STANDARDS file segment
<u>NEWS 13</u>	Jul 22	USAN to be reloaded July 28, 2002; saved answer sets no longer valid
<u>NEWS 14</u>	Jul 29	Enhanced polymer searching in REGISTRY
<u>NEWS 15</u>	Jul 30	NETFIRST to be removed from STN
<u>NEWS 16</u>	Aug 08	CANCERLIT reload
<u>NEWS 17</u>	Aug 08	PHARMAMarketLetter(PHARMAML) - new on STN
<u>NEWS 18</u>	Aug 08	NTIS has been reloaded and enhanced
<u>NEWS 19</u>	Aug 19	Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN
<u>NEWS 20</u>	Aug 19	IFIPAT, IFICDB, and IFIUIDB have been reloaded
<u>NEWS 21</u>	Aug 19	The MEDLINE file segment of TOXCENTER has been reloaded
<u>NEWS 22</u>	Aug 26	Sequence searching in REGISTRY enhanced
<u>NEWS 23</u>	Sep 03	JAPIO has been reloaded and enhanced
<u>NEWS 24</u>	Sep 16	Experimental properties added to the REGISTRY file
<u>NEWS 25</u>	Sep 16	Indexing added to some pre-1967 records in CA/CAPLUS
<u>NEWS 26</u>	Sep 16	CA Section Thesaurus available in CAPLUS and CA
<u>NEWS 27</u>	Oct 01	CASREACT Enriched with Reactions from 1907 to 1985
<u>NEWS 28</u>	Oct 21	EVENTLINE has been reloaded
<u>NEWS 29</u>	Oct 24	BEILSTEIN adds new search fields
<u>NEWS 30</u>	Oct 24	Nutraceuticals International (NUTRACEUT) now available on STN
<u>NEWS 31</u>	Oct 25	MEDLINE SDI run of October 8, 2002
<u>NEWS 32</u>	Nov 18	DKILIT has been renamed APOLLIT
<u>NEWS 33</u>	Nov 25	More calculated properties added to REGISTRY
<u>NEWS 34</u>	Dec 02	TIBKAT will be removed from STN
<u>NEWS 35</u>	Dec 04	CSA files on STN
<u>NEWS 36</u>	Dec 17	PCTFULL now covers WP/PCT Applications from 1978 to date
<u>NEWS 37</u>	Dec 17	TOXCENTER enhanced with additional content
<u>NEWS 38</u>	Dec 17	Adis Clinical Trials Insight now available on STN

<u>NEWS EXPRESS</u>	October 14 CURRENT WINDOWS VERSION IS V6.01, CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND V6.0Ja(JP), AND CURRENT DISCOVER FILE IS DATED 01 OCTOBER 2002
<u>NEWS HOURS</u>	STN Operating Hours Plus Help Desk Availability
<u>NEWS INTER</u>	General Internet Information
<u>NEWS LOGIN</u>	Welcome Banner and News Items
<u>NEWS PHONE</u>	Direct Dial and Telecommunication Network Access to STN
<u>NEWS WWW</u>	CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

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=> file reg

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
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FULL ESTIMATED COST

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 16 DEC 2002 HIGHEST RN 476406-96-9
 DICTIONARY FILE UPDATES: 16 DEC 2002 HIGHEST RN 476406-96-9

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

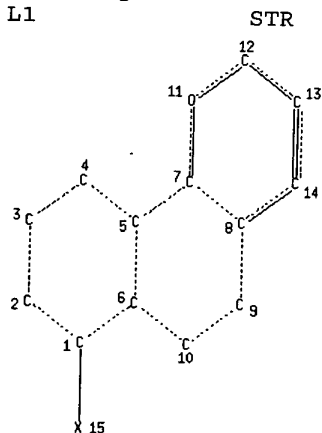
Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STN Note 27, Searching Properties in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=>

L1 STRUCTURE UPLOADED

=> dis que

L1



NODE ATTRIBUTES:

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NSPEC IS R AT 13
NSPEC IS R AT 14
NSPEC IS C AT 15
DEFAULT MLEVEL IS ATOM
MLEVEL IS CLASS AT 15
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 15

STEREO ATTRIBUTES: NONE

=> s 11

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SAMPLE SCREEN SEARCH COMPLETED - 494 TO ITERATE

100.0% PROCESSED 494 ITERATIONS
SEARCH TIME: 00.00.01

0 ANSWERS

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BATCH **COMPLETE**
PROJECTED ITERATIONS: 8547 TO 11213
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> search 11

ENTER TYPE OF SEARCH (SSS), CSS, FAMILY, OR EXACT:.
ENTER SCOPE OF SEARCH (SAMPLE), FULL, RANGE, OR SUBSET:full
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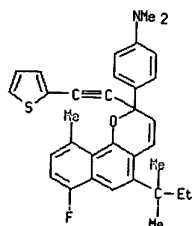
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SEARCH TIME: 00.00.01

8 ANSWERS

L3 8 SEA SSS FUL L1

=> d 13 1-8

L3 ANSWER 1 OF 8 REGISTRY COPYRIGHT 2002 ACS
RN 287975-47-7 REGISTRY
CN Benzenamine, 4-[5-(1,1-dimethylpropyl)-7-fluoro-10-methyl-2-(2-thienylethynyl)-2H-naphtho[1,2-b]pyran-2-yl]-N,N-dimethyl- (9CI) (CA
INDEX NAME)
FS 3D CONCORD
MF C33 H32 F N O S
SR CA
LC STN Files: CA, CAPLUS

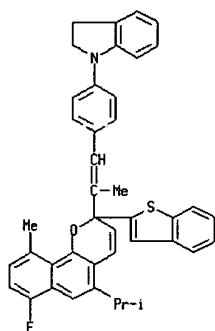


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1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

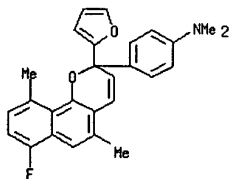
L3 ANSWER 2 OF 8 REGISTRY COPYRIGHT 2002 ACS
 RN 287975-10-4 REGISTRY
 CN 1H-Indole, 1-[4-[2-[2-benzo[b]thien-2-yl-7-fluoro-10-methyl-5-(1-methylethyl)-2H-naphtho[1,2-b]pyran-2-yl]-1-propenyl]phenyl]-2,3-dihydro-(9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C42 H36 F N O S
 SR CA
 LC STN Files: CA, CAPLUS



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1 REFERENCES IN FILE CA (1962 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L3 ANSWER 3 OF 8 REGISTRY COPYRIGHT 2002 ACS
 RN 287932-84-7 REGISTRY
 CN Benzenamine, 4-[7-fluoro-2-(2-furanyl)-5,10-dimethyl-2H-naphtho[1,2-b]pyran-2-yl]-N,N-dimethyl- (9CI) (CA INDEX NAME)
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 MF C27 H24 F N O2
 SR CA
 LC STN Files: CA, CAPLUS

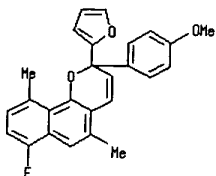


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 1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L3 ANSWER 4 OF 8 REGISTRY COPYRIGHT 2002 ACS
 RN 217940-41-5 REGISTRY
 CN 2H-Naphtho[1,2-b]pyran, 7-fluoro-2-(2-furanyl)-2-(4-methoxyphenyl)-5,10-dimethyl- (9CI) (CA INDEX NAME)
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 MF C26 H21 F O3
 SR CA

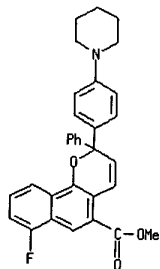
LC STN Files: CA, CAPLUS, USPATFULL



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1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

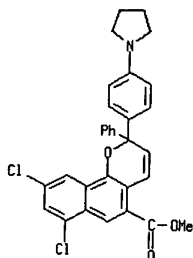
L3 ANSWER 5 OF 8 REGISTRY COPYRIGHT 2002 ACS
RN 214038-28-5 REGISTRY
CN 2H-Naphtho[1,2-b]pyran-5-carboxylic acid, 7-fluoro-2-phenyl-2-[4-(1-piperidinyl)phenyl]-, methyl ester (9CI) (CA INDEX NAME)
OTHER NAMES:
CN Methyl 7-fluoro-2-(4-piperidinophenyl)-2-phenyl-2H-naphtho[1,2-b]pyran-5-carboxylate
FS 3D CONCORD
MF C32 H28 F N O3
SR CA
LC STN Files: CA, CAPLUS



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1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

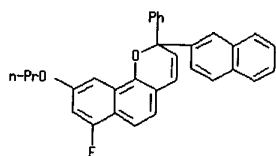
L3 ANSWER 6 OF 8 REGISTRY COPYRIGHT 2002 ACS
RN 214038-27-4 REGISTRY
CN 2H-Naphtho[1,2-b]pyran-5-carboxylic acid, 7,9-dichloro-2-phenyl-2-[4-(1-pyrrolidinyl)phenyl]-, methyl ester (9CI) (CA INDEX NAME)
OTHER NAMES:
CN Methyl 7,9-dichloro-2-(4-pyrrolidinophenyl)-2-phenyl-2H-naphtho[1,2-b]pyran-5-carboxylate
FS 3D CONCORD
MF C31 H25 Cl2 N O3
SR CA
LC STN Files: CA, CAPLUS



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1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

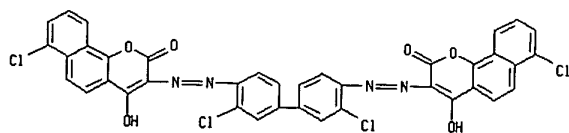
L3 ANSWER 7 OF 8 REGISTRY COPYRIGHT 2002 ACS
RN 185436-62-8 REGISTRY
CN 2H-Naphtho[1,2-b]pyran, 7-fluoro-2-(2-naphthalenyl)-2-phenyl-9-propoxy-
(9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C32 H25 F O2
SR CA
LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L3 ANSWER 8 OF 8 REGISTRY COPYRIGHT 2002 ACS
RN 156749-57-4 REGISTRY
CN 2H-Naphtho[1,2-b]pyran-2-one, 3,3'-[(3,3'-dichloro[1,1'-biphenyl]-4,4'-
diyl)bis(azo)]bis[7-chloro-4-hydroxy- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C38 H18 Cl4 N4 O6
SR CA
LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

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COST IN U.S. DOLLARS
FULL ESTIMATED COST

SINCE FILE ENTRY	TOTAL SESSION
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FILE COVERS 1907 - 12 Dec 2002 VOL 137 ISS 25
 FILE LAST UPDATED: 12 Dec 2002 (20021212/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

=> s 13

L4 6 L3

=> d 14 1-6

L4 ANSWER 1 OF 6 CA COPYRIGHT 2002 ACS

Full Citing
Text References

AN 133:170278 CA
 TI Photochromic chromene compound
 IN Momota, Junji; Komuro, Yasuko
 PA Tokuyama Corp., Japan
 SO Jpn. Kokai Tokkyo Koho, 14 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2000219686	A2	20000808	JP 1999-23110	19990129
OS	MARPAT 133:170278				

L4 ANSWER 2 OF 6 CA COPYRIGHT 2002 ACS

Full Citing
Text References

AN 133:170277 CA
 TI Photochromic chromene compound
 IN Momota, Junji; Komuro, Yasuko
 PA Tokuyama Corp., Japan
 SO Jpn. Kokai Tokkyo Koho, 27 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2000219687	A2	20000808	JP 1999-23206	19990129
OS	MARPAT 133:170277				

L4 ANSWER 3 OF 6 CA COPYRIGHT 2002 ACS

Full Text	Citing References
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AN 130:66392 CA
 TI Preparation of photochromic chromene compounds
 IN Tanizawa, Tsuneyoshi; Hara, Tadashi; Kawabata, Yuichiro; Momoda, Junji; Nagoh, Hironobu
 PA Tokuyama Corporation, Japan
 SO PCT Int. Appl., 151 pp.
 CODEN: PIXXD2
 DT Patent
 LA Japanese
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9857943	A1	19981223	WO 1998-JP2724	19980618
	W: AU, JP, US				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	AU 9880357	A1	19990104	AU 1998-80357	19980618
	AU 746229	B2	20020418		
	EP 926146	A1	19990630	EP 1998-928573	19980618
	R: DE, ES, FR, GB, IT				
	US 6197225	B1	20010306	US 1999-242598	19990219
PRAI	JP 1997-162541	A	19970619		
	JP 1997-207871	A	19970801		
	JP 1998-84678	A	19980330		
	WO 1998-JP2724	W	19980618		

OS MARPAT 130:66392

RE.CNT 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 4 OF 6 CA COPYRIGHT 2002 ACS

Full Text	Citing References
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AN 129:277348 CA
 TI Intensely coloring photochromic 2H-naphtho[1,2-b]pyrans and heterocyclic pyrans and their application
 IN Clarke, David Allan; Heron, Bernard Mark; Gabbutt, Christopher David; Hepworth, John David; Partington, Steven Michael; Corns, Stephen Nigel
 PA James Robinson, Ltd., UK
 SO PCT Int. Appl., 23 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

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PI	WO 9842695	A1	19981001	WO 1998-GB905	19980325
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	RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	GB 2338480	A1	19991222	GB 1999-22331	19980325
	GB 2338480	B2	20020220		
	EP 975619	A1	20000202	EP 1998-913903	19980325
	R: BE, CH, DE, DK, ES, FR, GB, IT, LI, NL				
	JP 2001518927	T2	20011016	JP 1998-545247	19980325
PRAI	GB 1997-6203	A	19970325		
	WO 1998-GB905	W	19980325		

OS MARPAT 129:277348

RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 5 OF 6 CA COPYRIGHT 2002 ACS

Full Text	Citing References
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AN 126:89395 CA

TI Preparation of 2-phenyl-2-(2-naphthyl)naphtho[1,2-b]pyran derivatives and
their heterocyclic analogs as photochromic materials
IN Hara, Tadashi; Momota, Junji
PA Tokuyama Corp, Japan
SO Jpn. Kokai Tokkyo Koho, 22 pp.
CODEN: JKXXAF

DT Patent
LA Japanese

FAN.CNT 1

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PI	JP 08295690	A2	19961112	JP 1995-102174	19950426
OS	MARPAT 126:89395				

L4 ANSWER 6 OF 6 CA COPYRIGHT 2002 ACS

Full Citing
Text References

AN 121:95994 CA
TI Electrophotographic photoreceptor with azo charge-generating agent
IN Shibata, Toyoko; Fujimoto, Shingo
PA Konishiroku Photo Ind, Japan
SO Jpn. Kokai Tokkyo Koho, 17 pp.
CODEN: JKXXAF

DT Patent
LA Japanese

FAN.CNT 1

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COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
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FULL ESTIMATED COST

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STRUCTURE FILE UPDATES: 17 DEC 2002 HIGHEST RN 476608-54-5
DICTIONARY FILE UPDATES: 17 DEC 2002 HIGHEST RN 476608-54-5

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

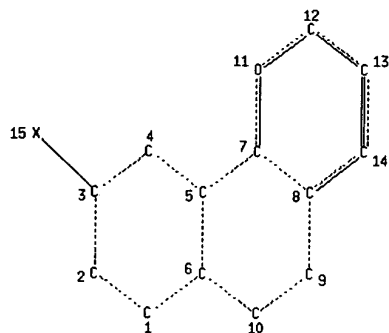
Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=>

L5 STRUCTURE UPLOADED

=> dis que

L5 STR



NODE ATTRIBUTES:

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NSPEC	IS R	AT	14
NSPEC	IS C	AT	15

DEFAULT MLEVEL IS ATOM
MLEVEL IS CLASS AT 15
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 15

STEREO ATTRIBUTES: NONE

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SAMPLE SEARCH INITIATED 09:17:00 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 494 TO ITERATE

100.0% PROCESSED 494 ITERATIONS
SEARCH TIME: 00.00.02

0 ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 8547 TO 11213
PROJECTED ANSWERS: 0 TO 0

L6 0 SEA SSS SAM L5

=> search 15

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ENTER SCOPE OF SEARCH (SAMPLE), FULL, RANGE, OR SUBSET:full
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FULL SCREEN SEARCH COMPLETED - 9567 TO ITERATE

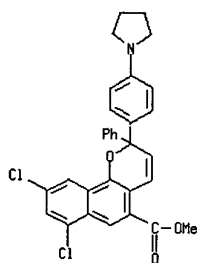
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3 ANSWERS

L7 3 SEA SSS FUL L5

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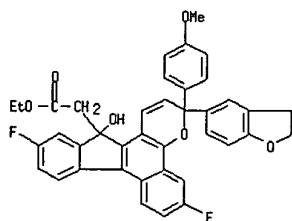
L7 ANSWER 1 OF 3 REGISTRY COPYRIGHT 2002 ACS
 RN 214038-27-4 REGISTRY
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 OTHER NAMES:
 CN Methyl 7,9-dichloro-2-(4-pyrrolidinophenyl)-2-phenyl-2H-naphtho[1,2-b]pyran-5-carboxylate
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 MF C31 H25 Cl2 N O3
 SR CA
 LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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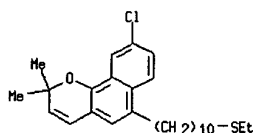
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 SR CA
 LC STN Files: CA, CAPLUS, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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L7 ANSWER 3 OF 3 REGISTRY COPYRIGHT 2002 ACS
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 MF C27 H37 Cl O S
 SR CA
 LC STN Files: CA, CAPLUS, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

=> file ca

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
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=> s 17

L8 3 L7

=> d 18 1-3

L8 ANSWER 1 OF 3 CA COPYRIGHT 2002 ACS

Full Text ☐ Citings
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AN 129:277348 CA
TI Intensely coloring photochromic 2H-naphtho[1,2-b]pyrans and heterocyclic pyrans and their application
IN Clarke, David Allan; Heron, Bernard Mark; Gabbutt, Christopher David; Hepworth, John David; Partington, Steven Michael; Corns, Stephen Nigel
PA James Robinson, Ltd., UK
SO PCT Int. Appl., 23 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9842695	A1	19981001	WO 1998-GB905	19980325
	W: GB, JP, US				
	RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	GB 2338480	A1	19991222	GB 1999-22331	19980325
	GB 2338480	B2	20020220		
	EP 975619	A1	20000202	EP 1998-913903	19980325
	R: BE, CH, DE, DK, ES, FR, GB, IT, LI, NL				
	JP 2001518927	T2	20011016	JP 1998-545247	19980325
PRAI	GB 1997-6203	A	19970325		
	WO 1998-GB905	W	19980325		
OS	MARPAT 129:277348				
RE.CNT	6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT				

L8 ANSWER 2 OF 3 CA COPYRIGHT 2002 ACS

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AN 128:90026 CA

TI Photochromic indeno-fused naphthopyrans and polymeric organic photochromic articles containing them

IN Heller, Harry G.; Levell, Julian R.

PA PPG Industries, Inc., USA

SO PCT Int. Appl., 47 pp.
CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9748762	A1	19971224	WO 1997-US9511	19970603
	W: AU, BR, CA, CN, HU, IL, JP, KR, MX, NZ, SG				
	RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	US 5955520	A	19990921	US 1996-666726	19960617
	AU 9731535	A1	19980107	AU 1997-31535	19970603
	AU 709304	B2	19990826		
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	R: CH, DE, ES, FR, GB, LI, NL, IE				
	CN 1226267	A	19990818	CN 1997-195588	19970603
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PRAI	US 1996-666726	A	19960617		
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OS	MARPAT 128:90026				

L8 ANSWER 3 OF 3 CA COPYRIGHT 2002 ACS

Full Text	Citing References
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AN 115:8577 CA

TI Preparation of photochromic spiroarylpuran compounds

IN Tanaka, Takashi; Imura, Satoshi; Tanaka, Kenji; Kida, Yasuji

PA Tokuyama Soda Co., Ltd., Japan

SO Eur. Pat. Appl., 64 pp.
CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 401958	A2	19901212	EP 1990-302299	19900305
	EP 401958	A3	19910403		
	EP 401958	B1	19950111		
	R: DE, FR, GB, IT				

	<u>JP 03011075</u>	A2	19910118	<u>JP 1989-141206</u>	19890605
	<u>JP 06084368</u>	B4	19941026		
	<u>JP 03011074</u>	A2	19910118	<u>JP 1989-143011</u>	19890607
	<u>US 5106998</u>	A	19920421	<u>US 1990-491157</u>	19900309
	<u>US 5349065</u>	A	19940920	<u>US 1992-977882</u>	19921117
<u>PRAI</u>	<u>JP 1989-141206</u>		19890605		
	<u>JP 1989-143011</u>		19890607		
	<u>US 1990-491157</u>		19900309		
	<u>US 1991-806324</u>		19911213		
OS	MARPAT 115:8577				

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